

Figure 1A

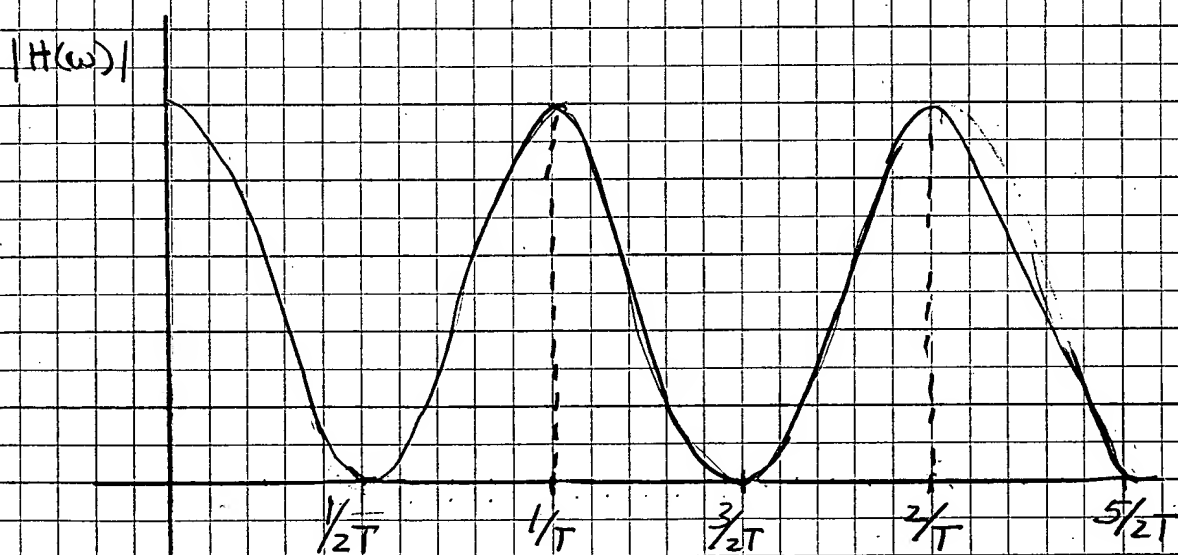


Figure 1B

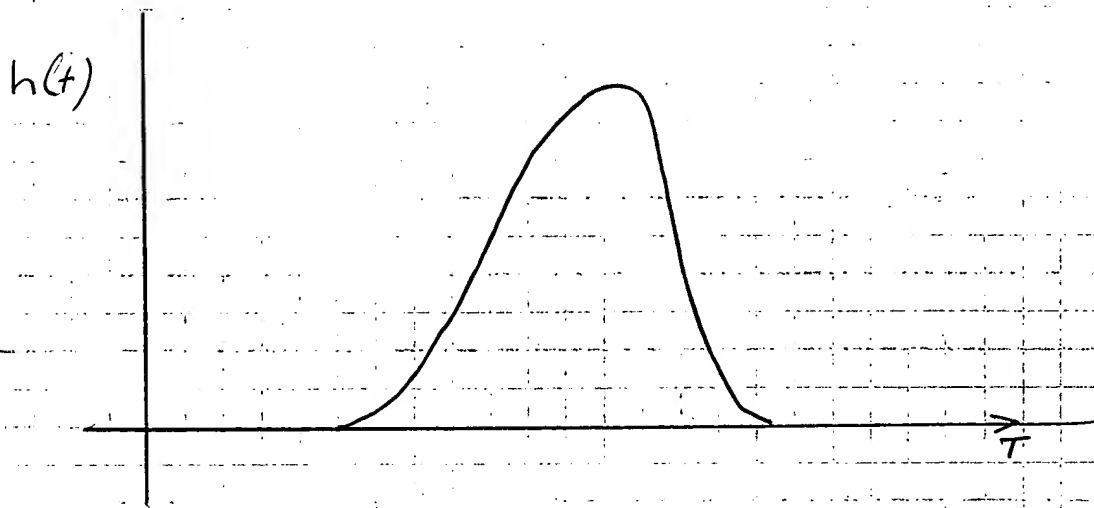


Figure 1C.

Multicarrier Modulation Block Diagram (Transmitter)

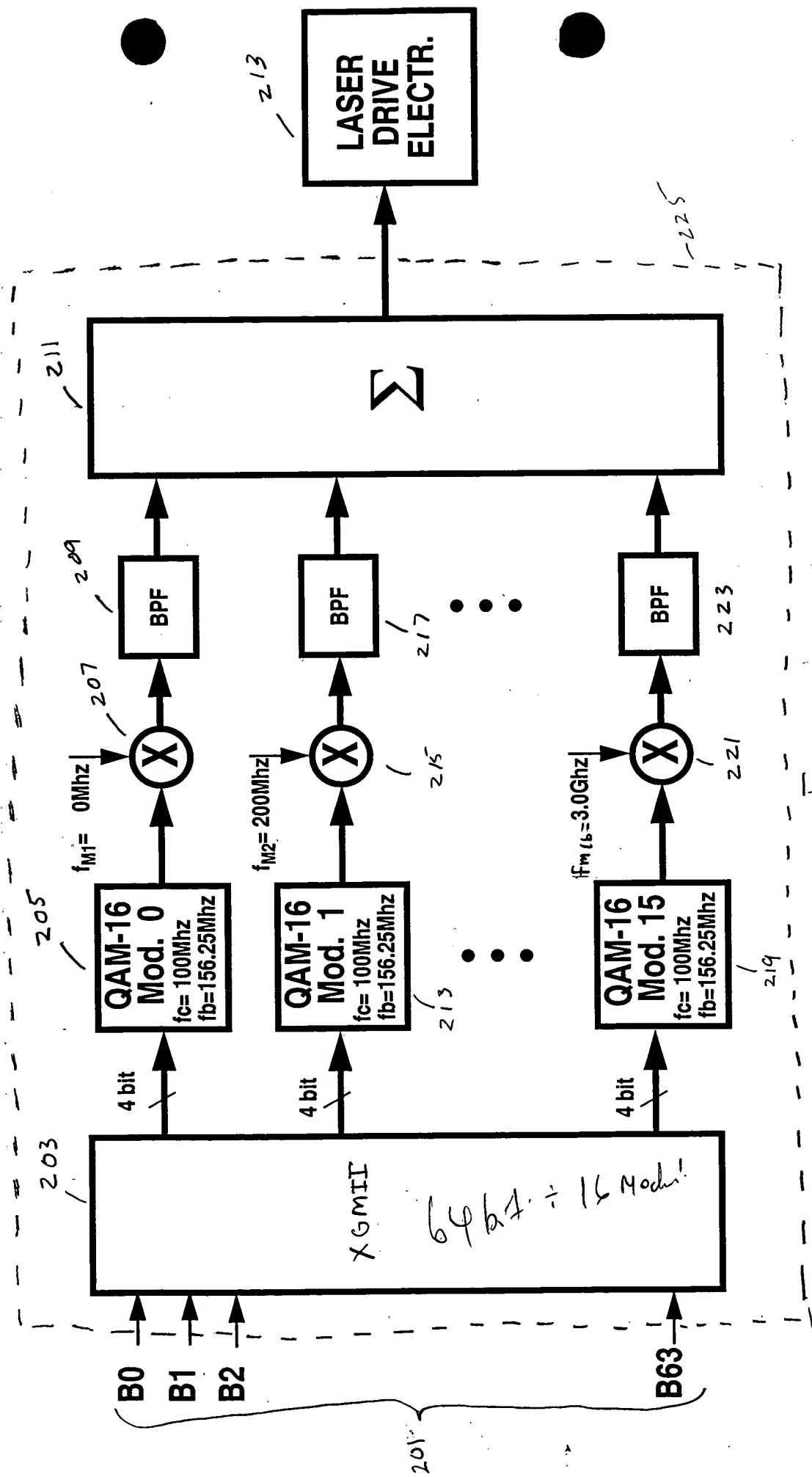
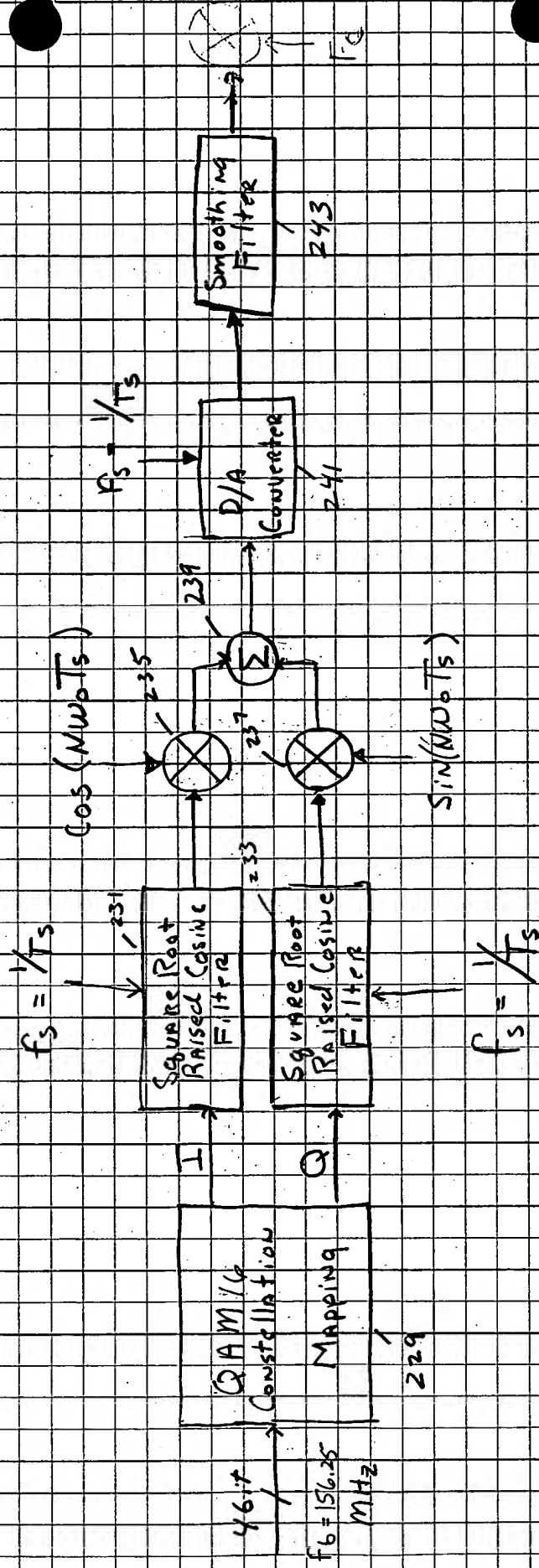


Figure 2

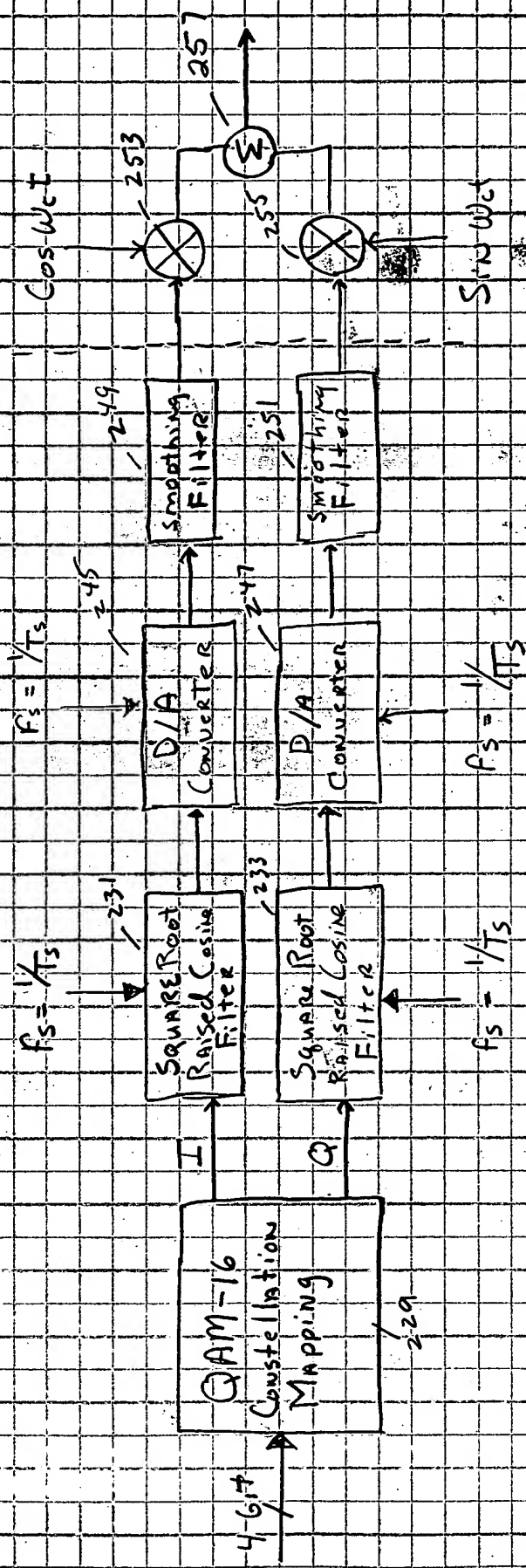
205



$T_s = \text{Sampling period - digital}$
 $\omega_N = 2\pi f_s = \text{digital carrier angular frequencies.}$

Figure 2B

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$T_s = \text{Sampling period for DSP blocks}$
 $\omega_c = 2\pi f_c = \text{ANALOG CARRIER ANGULAR FREQUENCY}$

Figure 2C

Multicarrier Modulation Block Diagram (Receiver)

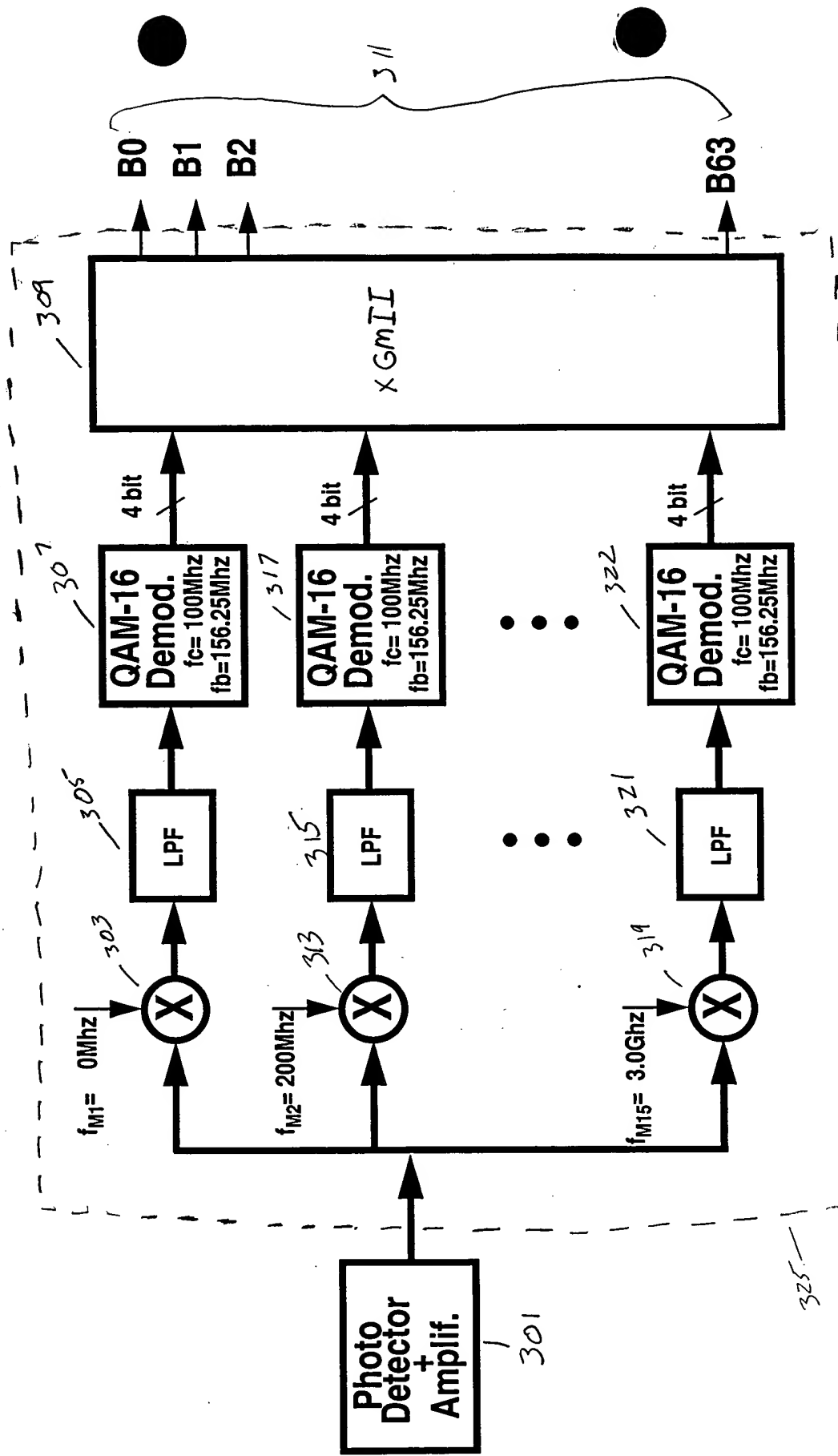


Figure 3

Alternative Implementation of Multicarrier Modulation (Transmitter)

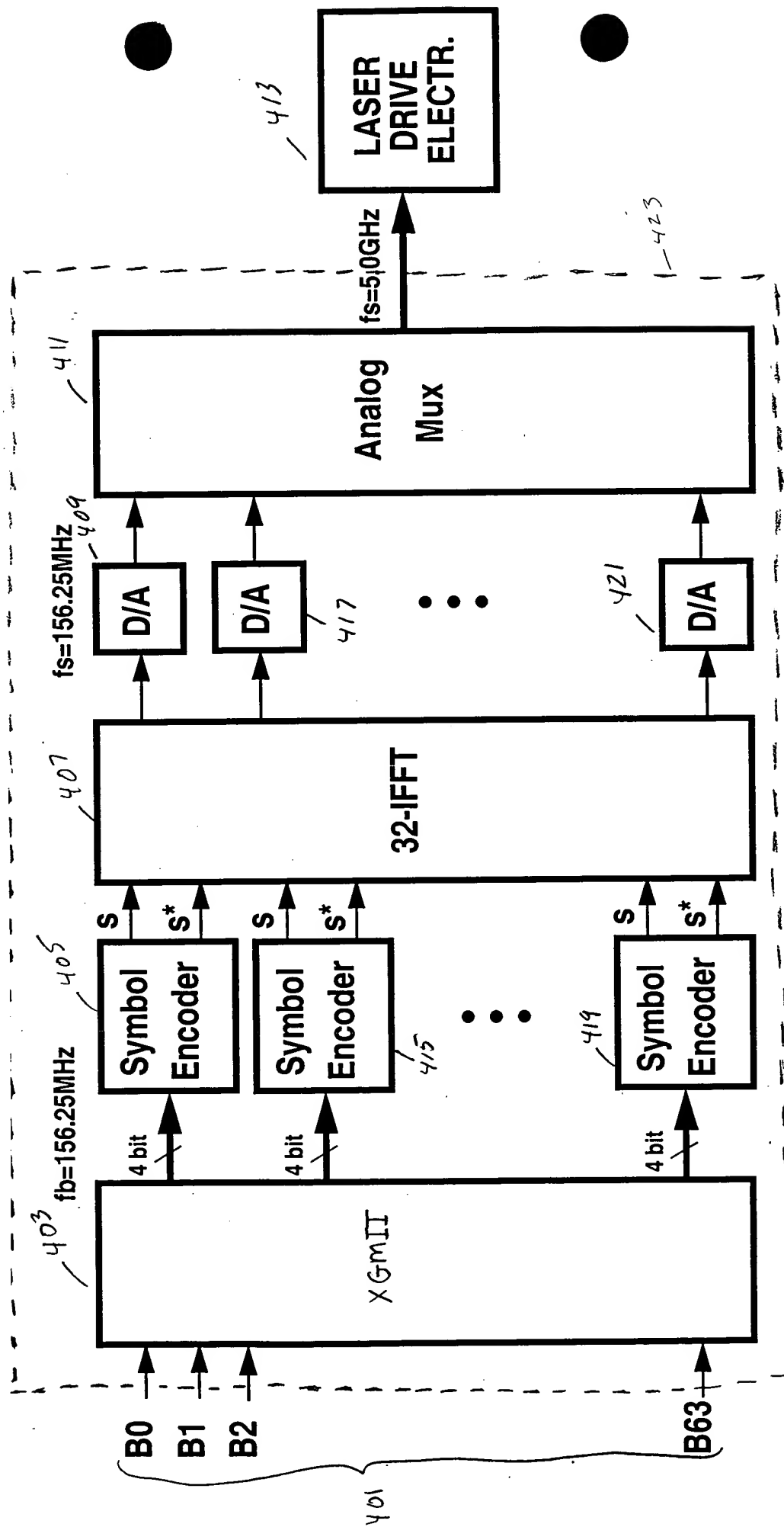


Figure 4

Alternative Implementation of Multicarrier Modulation (Receiver)

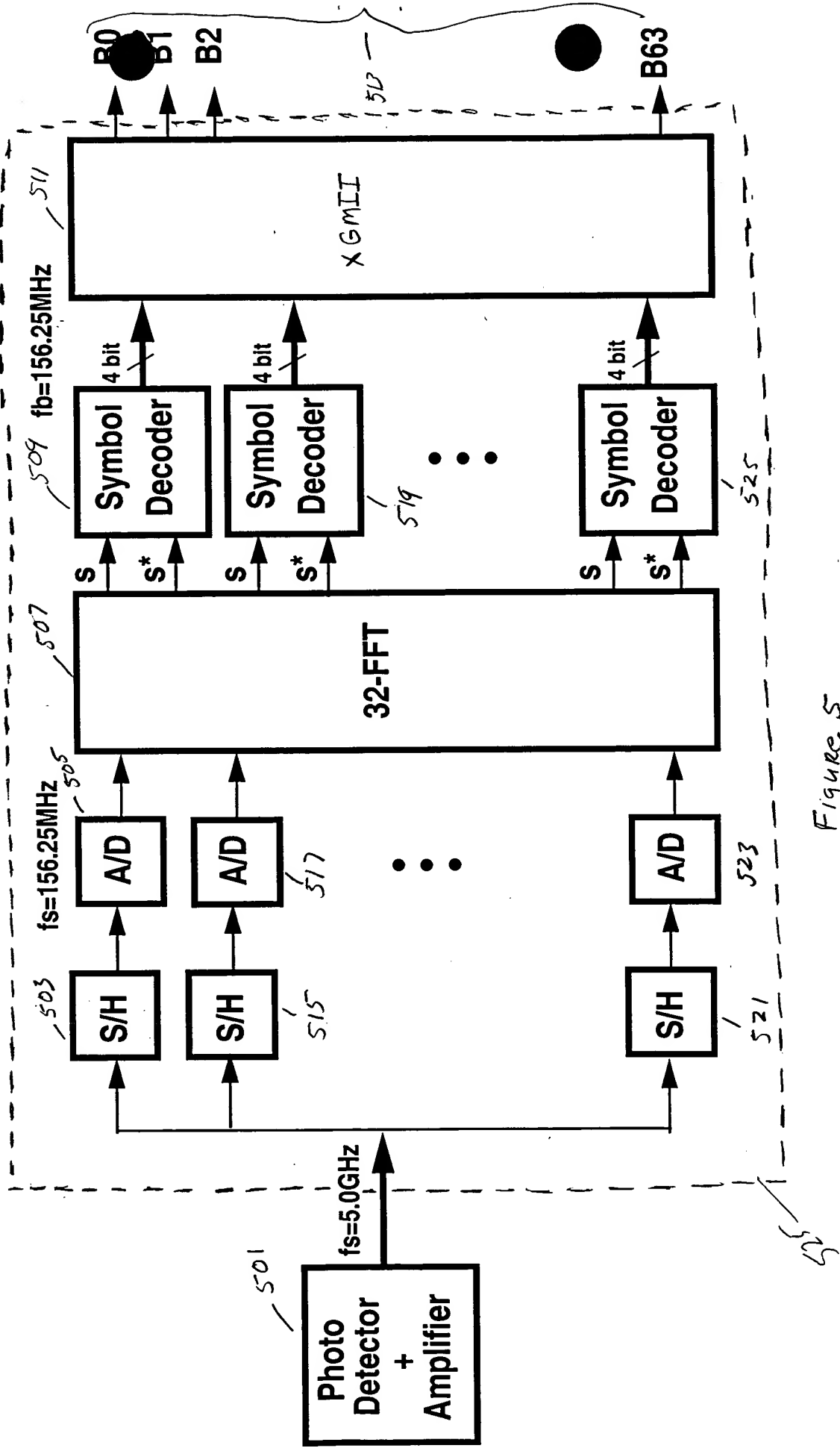


Figure 5

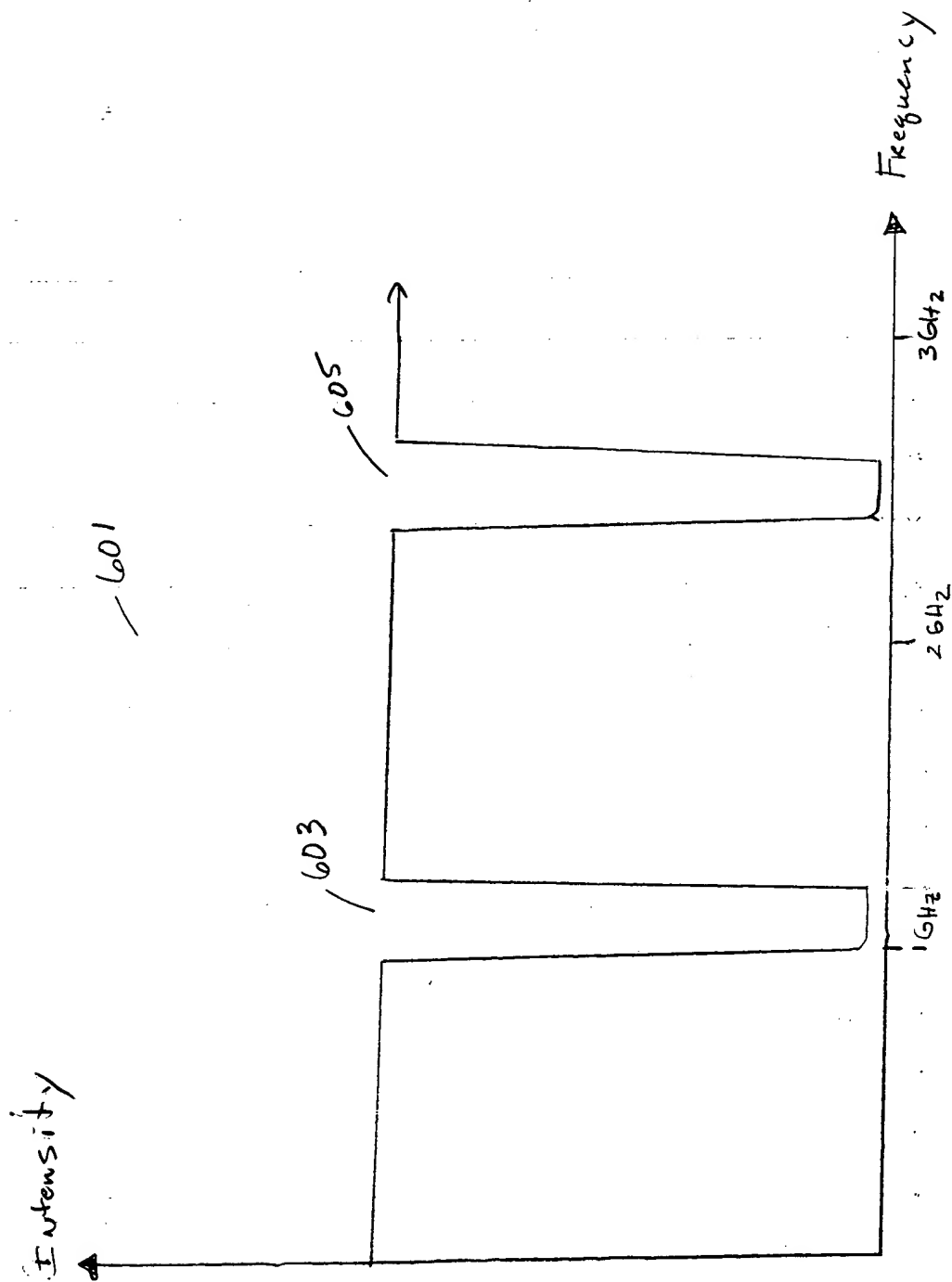
[illegible]

Fig 6

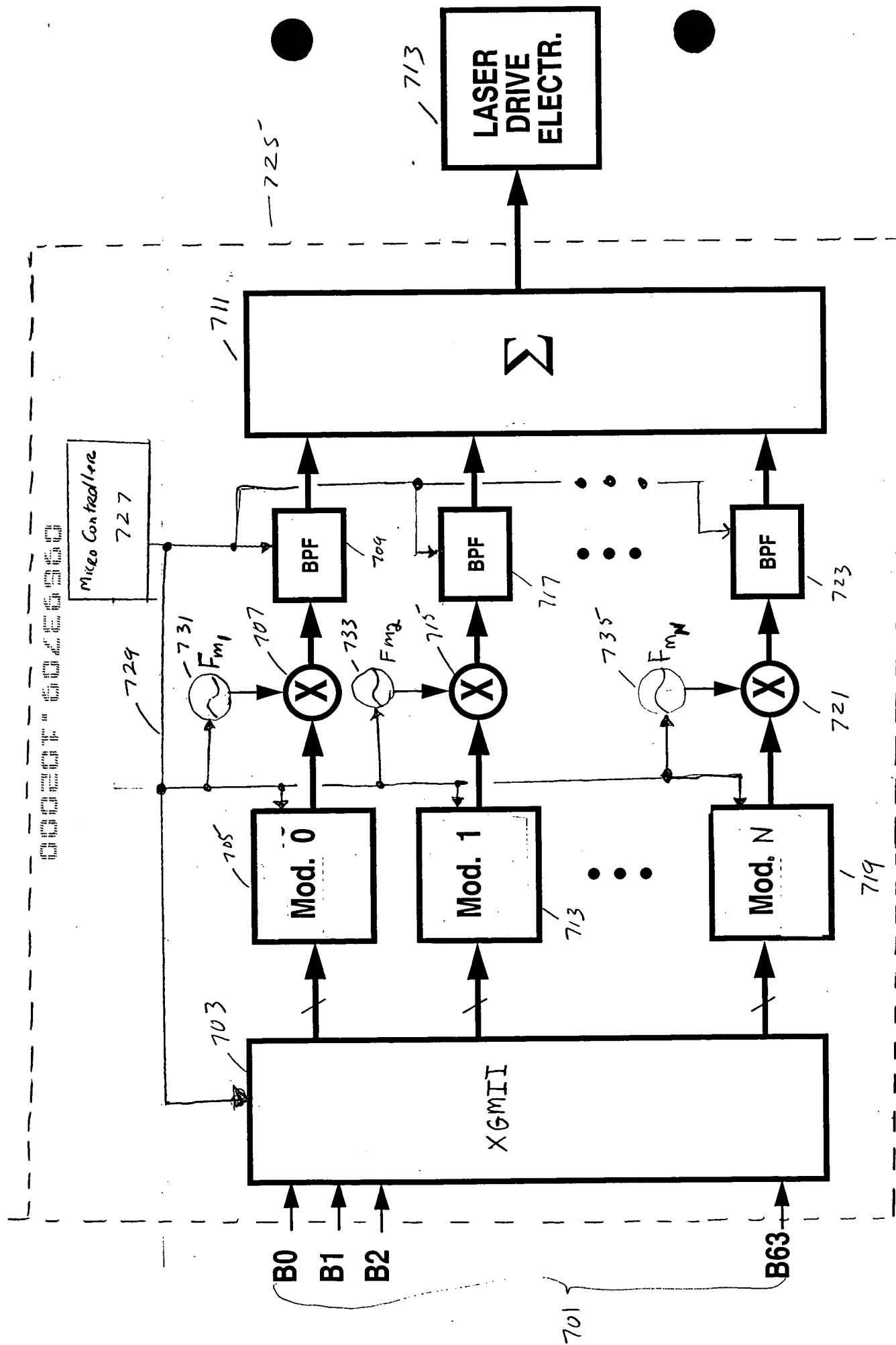


Figure 7A

Transmitter And Receiver
Coupled to Existing Fiber
Channel



Transmitter transmits
Intensity modulated
Signal, Frequency of
Intensity modulation
is swept from F_{min}
to F_{max} 743



Receiver Receives
Signal Measures
Intensity vs Freq
Sends Measurement
to transmitter.

745



Transmitter maps
fiber channel Response
Configures transmitter
Accordingly 747

747

End 749

Figure 7B

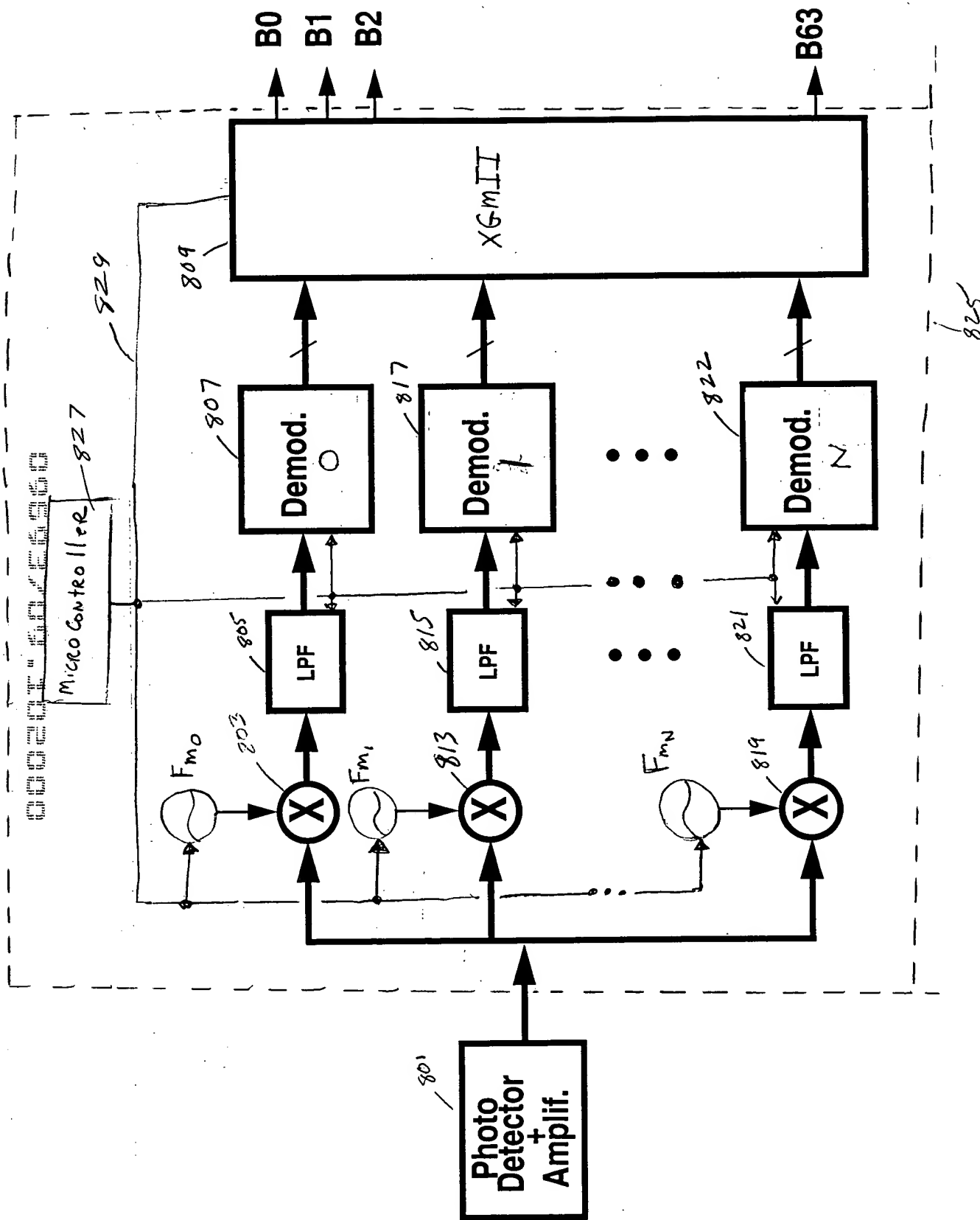


Figure 8

000007 00000000

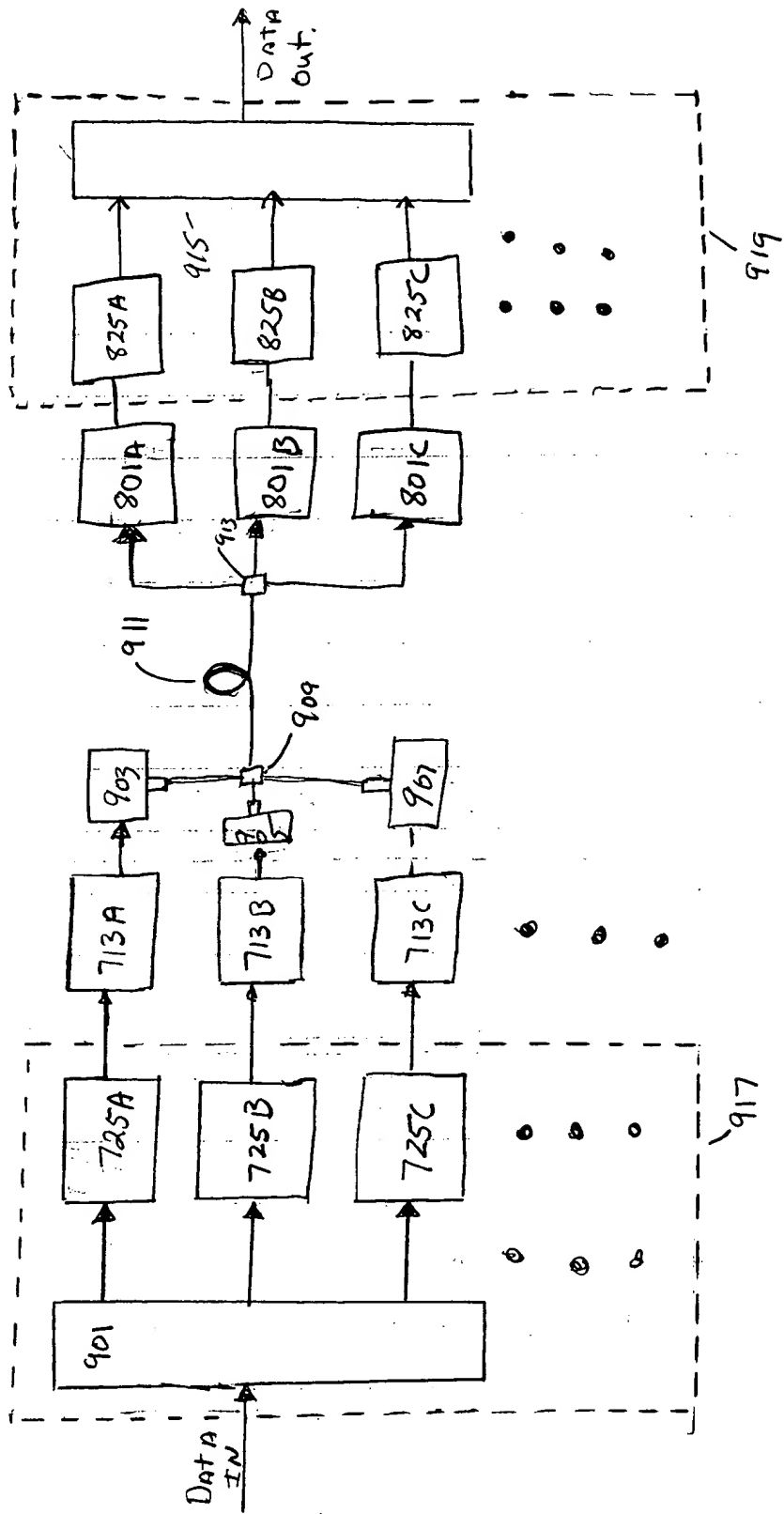


Figure 9

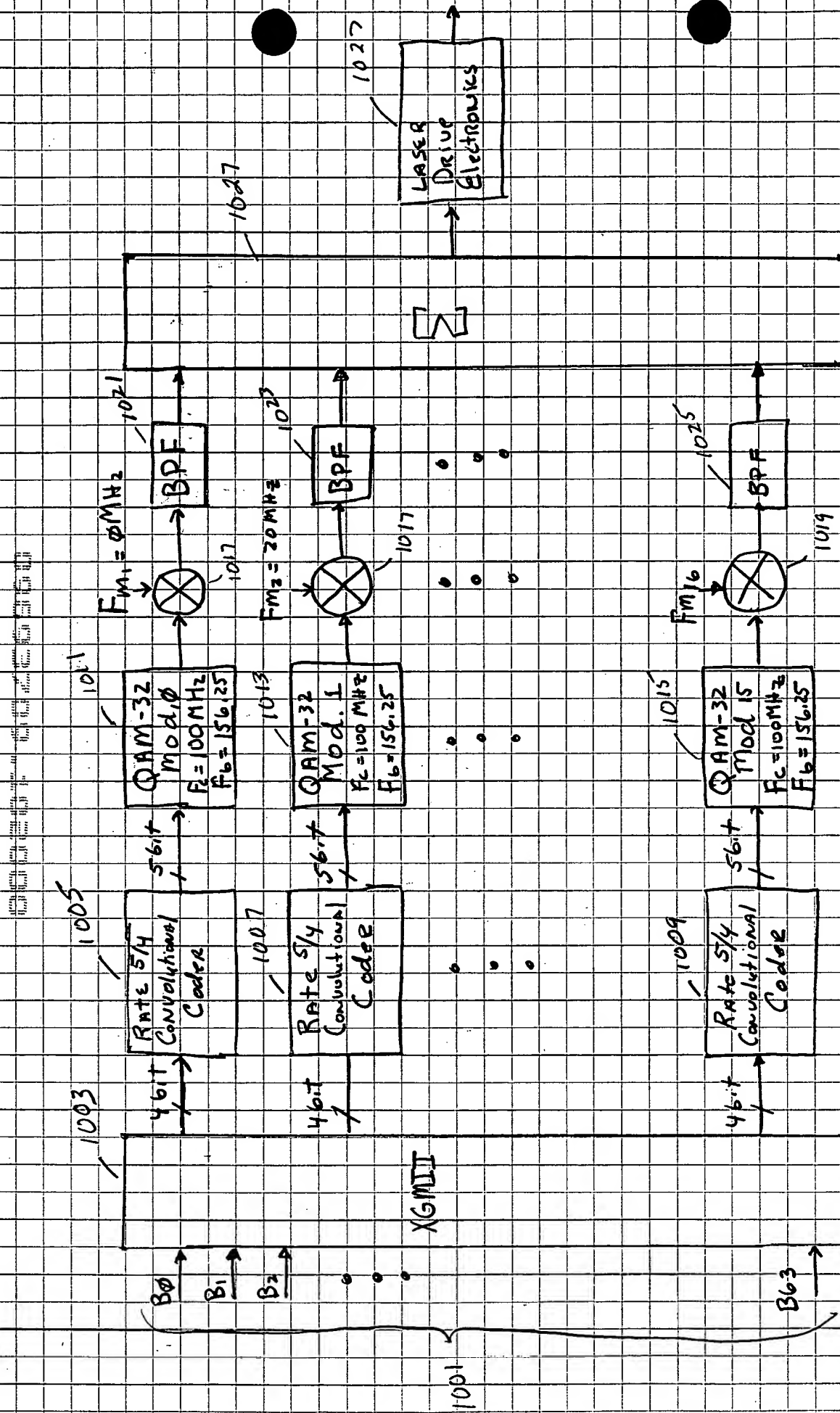


Figure 10

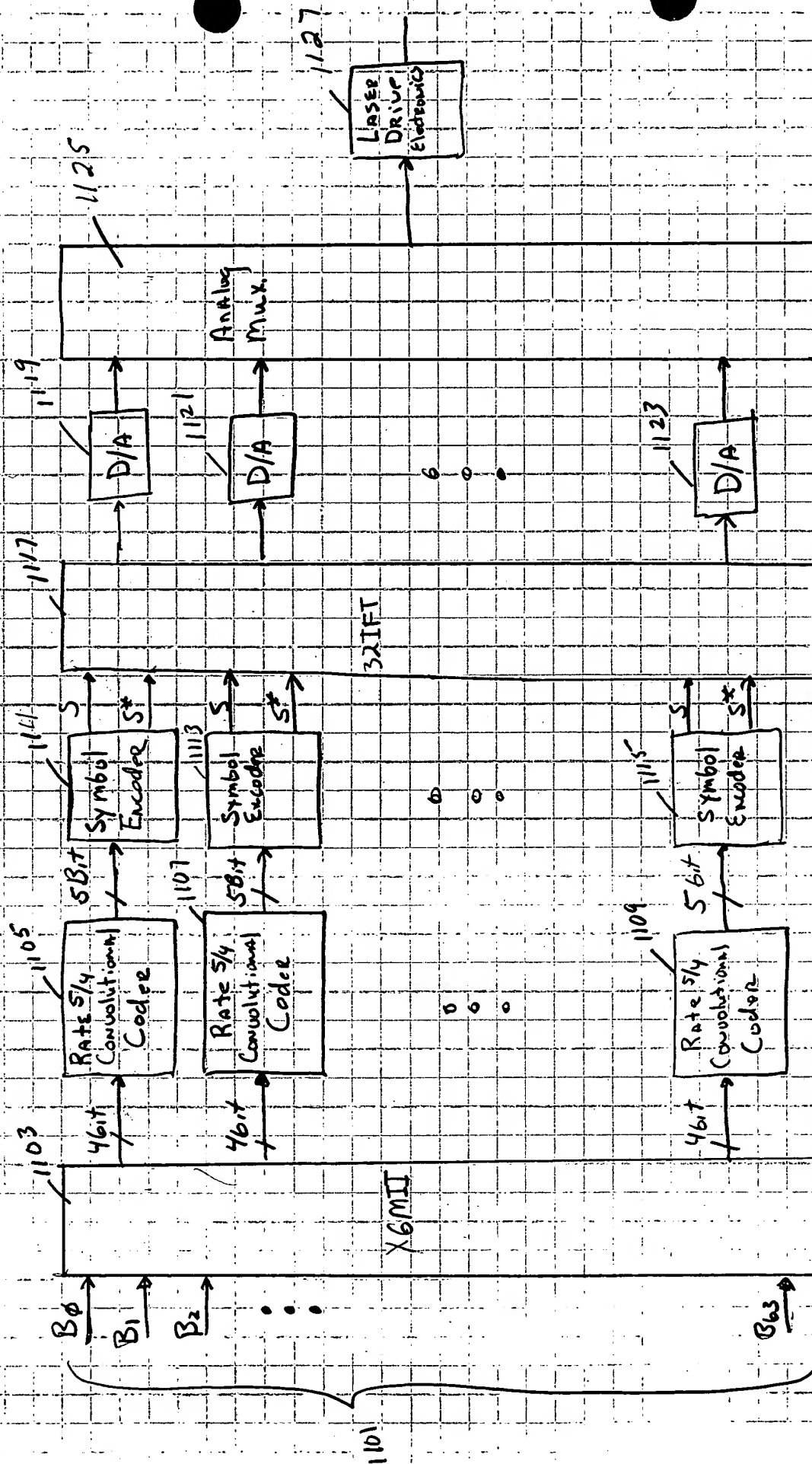


Figure 11

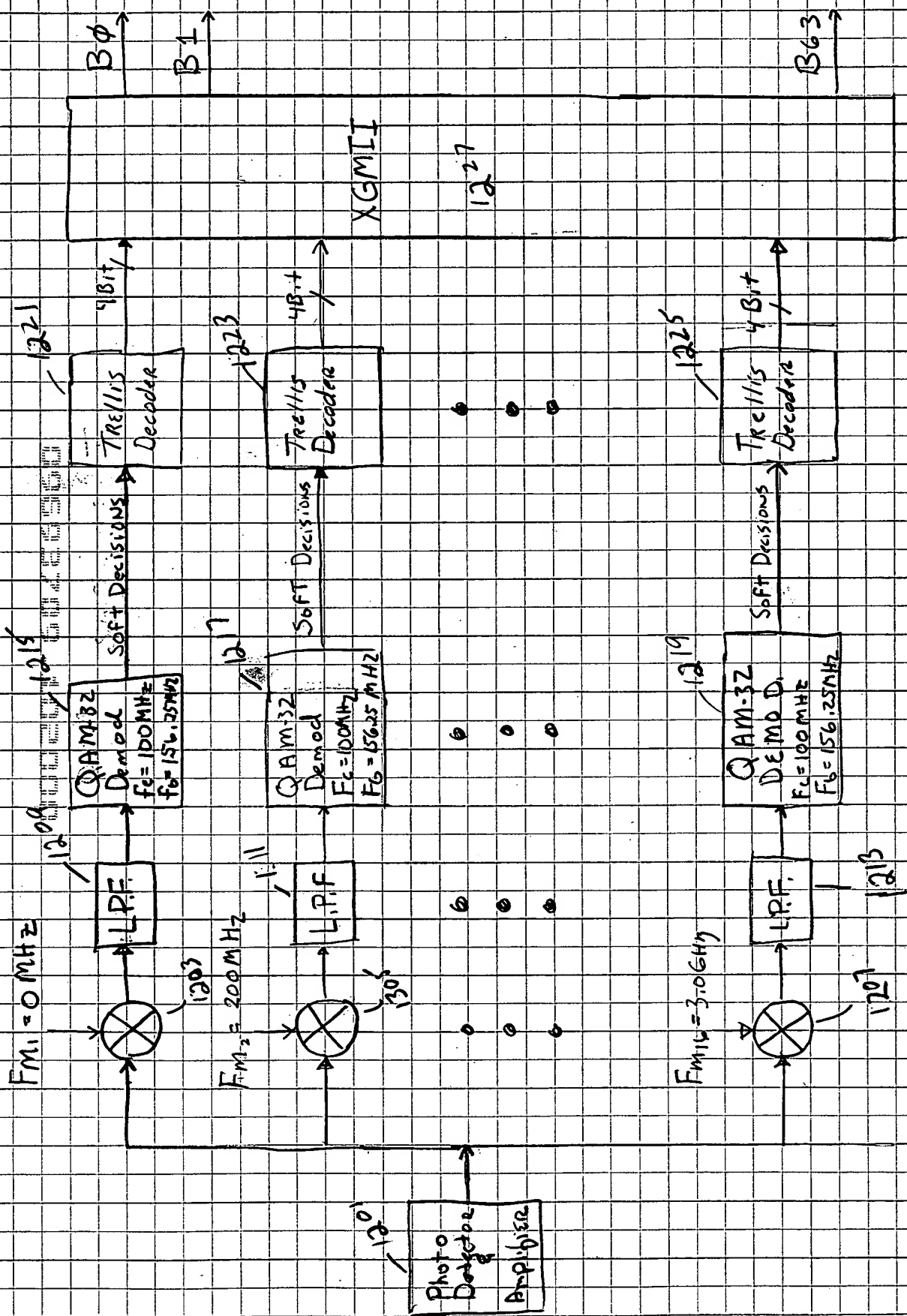


Figure 125

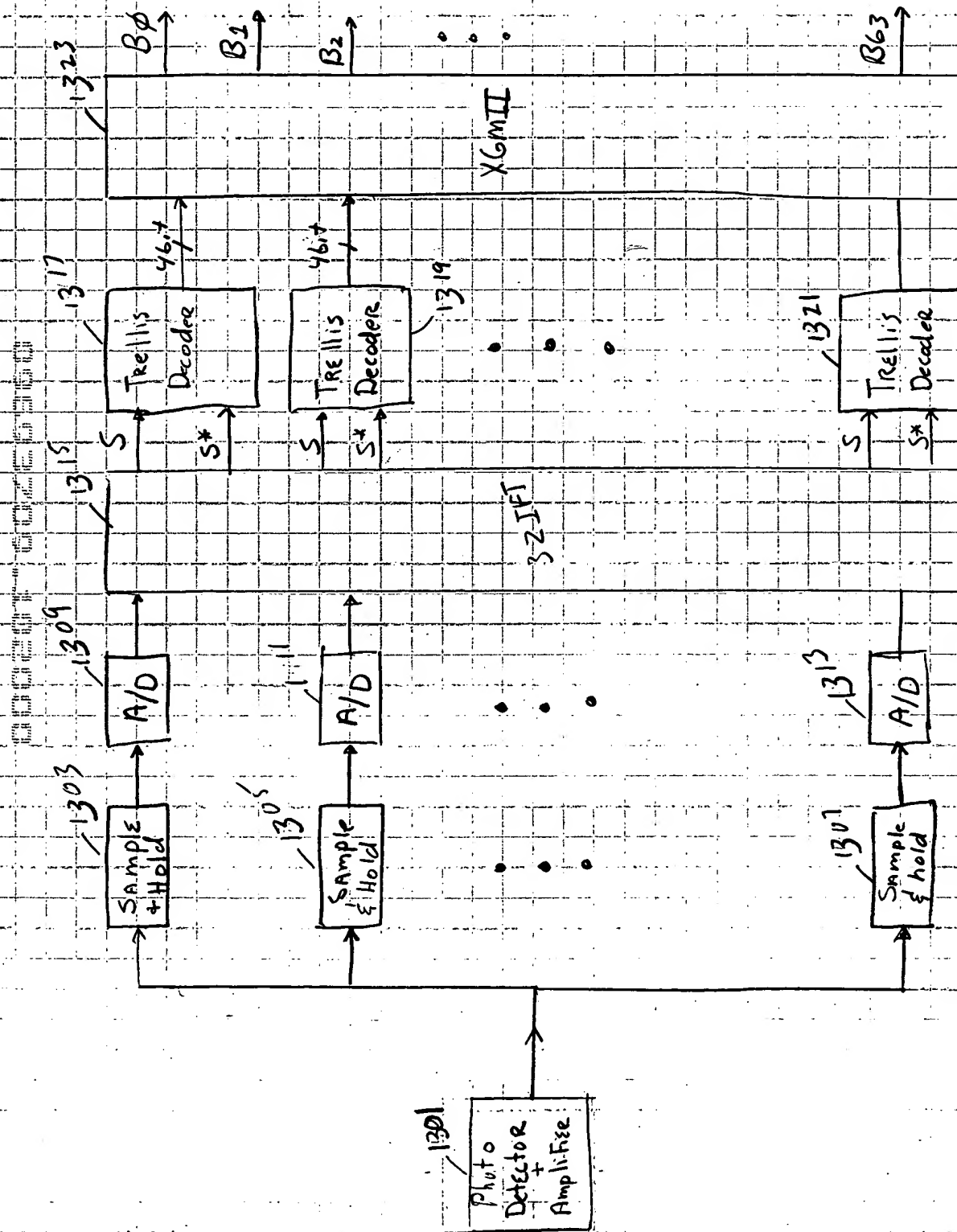


Figure 13